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of their enterprise would have been almost impossible by the ordinary methods of sounding had had the ship rolled upon. There were no charts to go by, the river bottom was constantly shifting, and the softness of the mostly alluvial clay, would allow the lead to sink into for several feet. An electric device, fitly named a submarine sentinel, was suspended from the cable ship and set at, say, five fathoms below the surface. There, the sentinel "the engineer" could stream ahead without fear; but the moment the ship got into water shallower than the gauge fixed upon, the sounder gave an alarm, and special reckonings were taken. A somewhat simpler device, having the same end in view, has been invented, the idea being to take it up as a substitute for the lead and line. It is called a fathometer, and is used in the same way as a coast or shoal in darkness or fog when the captain is doubtful of his bearings. The apparatus consists of a metallic cylinder, having a water-tight chamber. Within the chamber

**Not Worrying.**  
"Say, your horse reaches over the fence and pulls the branches off our trees."  
"Oh, that's all right. The horse can hurt himself so long as you don't throw no broken glass bottles over on our side."—Cleveland Plain Dealer.

What has become of the old-fashioned boy who spat in his hand and hit with two fingers, to ascertain the direction of something he had lost? It is surprising how many people look like the devil.



**Also Weiss Beer, Ale, Porter and Export Beer.**

